

ABSTRACT OF THE DISCLOSURE

A high-strength, low-temperature-sintered ceramic composition having a structure comprising a $\text{SrAl}_2\text{Si}_2\text{O}_8$ crystal and an Al_2O_3 crystal, the $\text{SrAl}_2\text{Si}_2\text{O}_8$ crystal being composed of hexagonal $\text{SrAl}_2\text{Si}_2\text{O}_8$ alone or hexagonal $\text{SrAl}_2\text{Si}_2\text{O}_8$ and monoclinic $\text{SrAl}_2\text{Si}_2\text{O}_8$, and a peak intensity ratio represented by $I_{101} / (I_{101} + I_{002}) \times 100$ being 5% or more in an X-ray diffraction measurement by a Cu-K α line, wherein I_{101} represents a peak intensity of a (101) plane of the hexagonal $\text{SrAl}_2\text{Si}_2\text{O}_8$, and I_{002} represents a peak intensity of a (002) plane of the monoclinic $\text{SrAl}_2\text{Si}_2\text{O}_8$.